

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-8 (Canceled).

Claim 9 (Previously Presented): A field-sequential color display method comprising:  
time-sequentially displaying of luminous information of an input image information  
with every display color; and

changing the display color in synchronism with the displaying of the luminous  
information in order to display the input image information,

wherein one frame period in which one color image is displayed comprises at least  
four sub-field periods in which information of each color is displayed, and a picture signal  
displayed in at least one sub-field period is a non-three-primary color picture signal which is  
generated from at least two primary color signals of input picture signals including three-  
primary color signals,

wherein the picture signal displayed in each of the sub-field periods is one of  
modified picture signals which are obtained by separating the input picture signal into n non-  
three-primary color picture signals and three modified three-primary color picture signals,  
where n is an integer of 1 or more, and

wherein the separation of the picture signals is carried out by detecting the minimum  
value of the three-primary color picture signals, causing the minimum value to be set as the  
signal value of a first non-three-primary color picture signal of the non-three-primary color  
picture signals, and causing a smaller signal value of two modified picture signals, which are  
obtained by subtracting the minimum value from the three-primary color picture signal values

and which are not zero, to be set as a second non-three-primary color picture signal of the non-three-primary color picture signals.

Claims 10-19 (Canceled).

Claim 20 (Currently Amended): ~~A field-sequential color display method as set forth in claim 7~~ A field-sequential color display method comprising:

time-sequentially displaying of luminous information of an input image information with every display color; and

changing the display color in synchronism with the displaying of the luminous information in order to display the input image information,

wherein one frame period in which one color image is displayed comprises at least four sub-field periods in which information of each color is displayed, and a picture signal displayed in at least one sub-field period is a non-three-primary color picture signal comprising a color determined on the basis of the color picture signals of the input image information in one frame period, the color not being fixed to one color,

wherein the picture signal displayed in each of the sub-field periods is one of modified picture signals which are obtained by separating the input picture signal into the n non-three-primary color picture signals and three modified three-primary color picture signals when n is an integer of 1 or more, and

wherein the input picture signal is separated into two non-primary color picture signals and three modified three-primary color picture signals, the method further comprising:

detecting a minimum value of three-primary color picture signals of the input image information for every pixel;

setting the minimum value as the signal value of a first ~~none three-primary~~ non-three-primary color picture signal for every pixel;

subtracting the minimum value from each signal value of the three-primary color picture signals for every pixel;

setting remainders of the subtraction as signal values of first modified three-primary color picture signals for every pixel;

detecting combinations, in which values of two of the first modified three-primary color picture signals are not zero, out of combinations of the first modified three-primary color picture signals for every pixel;

detecting the number of each detected combination of the first modified three-primary color picture signals in one frame;

selecting a kind of combination of the largest number of the detected ~~combination~~ combinations;

detecting a minimum value of the two of the first modified three-primary color picture signals of the selected combination for every pixel;

setting the minimum value for the selected combination and zero for the non-selected three-primary color picture signal as a signal value of a second non-three-primary color picture signal for every pixel;

subtracting the signal value of the second non-three-primary picture signal from each signal value of the first modified three-primary color picture signals for every pixel; and

setting a remainder of the subtraction as a signal value of second modified three-primary color picture signals for every pixel,

wherein the picture signal displaying during each sub-field period is one of the first non-three-primary color picture signal, the second non-three-primary color picture signal, and the second modified three-primary color picture signal for every pixel.

Claim 21 (Currently Amended): ~~A field-sequential color display method as set forth in claim 7~~ A field-sequential color display method comprising:  
time-sequentially displaying of luminous information of an input image information with every display color; and  
changing the display color in synchronism with the displaying of the luminous information in order to display the input image information,  
wherein one frame period in which one color image is displayed comprises at least four sub-field periods in which information of each color is displayed, and a picture signal displayed in at least one sub-field period is a non-three-primary color picture signal comprising a color determined on the basis of the color picture signals of the input image information in one frame period, the color not being fixed to one color,  
wherein the picture signal displayed in each of the sub-field periods is one of modified picture signals which are obtained by separating the input picture signal into the n non-three-primary color picture signals and three modified three-primary color picture signals when n is an integer of 1 or more, and  
wherein the input picture signal is separated into three non-primary color picture signals and three modified three-primary color picture signals, the method further comprising:  
detecting a minimum value of three-primary color picture signals ~~[[of]]~~ of the input image information for every pixel;

setting the minimum value as the signal value of a first non-three-primary color picture signal for every pixel;

subtracting[[,]] the minimum value from each signal value of the three-primary color picture signals for every pixel;

setting remainders of the subtraction as signal values of first modified three-primary color picture signals for every pixel;

detecting combinations, in which values of two of the first modified three-primary color picture signals are not zero, out of combinations of the first modified three-primary color picture signals for every pixel;

detecting the number of each detected combination of the first modified three-primary color picture signals in one frame;

selecting a first combination of the largest number of the detected ~~combination~~ combinations;

detecting a minimum value of the two of the first modified three-primary color picture signals of the selected first combination for every pixel;

setting the minimum value for the selected first combination and zero for the non-selected three-primary color picture signal as a signal value of a second non-three-primary color picture signal for every pixel;

subtracting the signal value of the second non-three-primary picture signal from each signal value of the first modified three-primary color picture signals for every pixel;

setting a remainder of the subtraction as a signal value of second modified three-primary color picture signals for every pixel,

detecting combinations, in which values of two of the second modified three-primary color picture ~~signal~~ signals are not zero, out of combinations of the second modified three-primary color picture signals for every pixel;

detecting the number of each detected combination ~~[[of]]~~ of the second modified three-primary color picture signals in one frame;

selecting a second combination of the largest number of the detected ~~combination~~ combinations;

detecting a minimum value of the two of the second modified three-primary color picture signals of the selected second combination for every pixel;

setting the minimum value for the selected second combination and zero for the non-selected three-primary picture signal as a third non-three-primary color picture signal for every pixel;

subtracting the signal value of the third non-three-primary picture signal from each signal value of the second modified three-primary color picture signals for every pixel; and

setting a remainder of the subtraction as a signal value of third modified three-primary color picture signals for every pixel,

wherein the picture signal displaying during each sub-field period is one of the first to third non-three-primary color picture signals and the third modified three-primary color picture signals.

Claim 22 (Currently Amended): ~~A field-sequential color display method asset forth in claim 7~~ A field-sequential color display method comprising:

time-sequentially displaying of luminous information of an input image information with every display color; and

changing the display color in synchronism with the displaying of the luminous information in order to display the input image information,

wherein one frame period in which one color image is displayed comprises at least four sub-field periods in which information of each color is displayed, and a picture signal displayed in at least one sub-field period is a non-three-primary color picture signal comprising a color determined on the basis of the color picture signals of the input image information in one frame period, the color not being fixed to one color,

wherein the picture signal displayed in each of the sub-field periods is one of modified picture signals which are obtained by separating the input picture signal into the n non-three-primary color picture signals and three modified three-primary color picture signals when n is an integer of 1 or more, and

wherein the input picture signal is separated into two non-primary color picture signals and four modified three-primary color picture signals, the method further comprising:

detecting a minimum value of three-primary color picture signals of the input image information for every pixel;

setting the minimum value as the signal value of a first non-three-primary color picture signal for every pixel;

subtracting the minimum value from each signal value of the three-primary color picture signals for every pixel;

setting remainders of the subtraction as signal values of first modified three-primary color picture signals for every pixel;

detecting combinations, in which values of two of the first modified three-primary color picture signals are not zero, out of combinations of the first modified three-primary color picture signals for every pixel;

detecting the number of each detected combination of the first modified three-primary color picture signals in one frame;

selecting a first combination ~~[[of]]~~ of the largest number of the detected ~~combination~~ combinations;

detecting a minimum value of the two of the first modified three-primary color picture signals of the selected first combination for every pixel;

setting the minimum value for the selected first combination and zero for the non-selected three-primary color picture signal as a signal value of a second non-three-primary color picture signal for every pixel;

subtracting the signal value of the second non-three-primary picture signal from each signal value of the first modified three-primary color picture signals for every pixel;

setting a remainder of the subtraction as a signal value of second modified three-primary color picture signals for every pixel,

detecting combinations, in which values of two of the second modified three-primary color picture ~~signal~~ signals are not zero, out of combinations of the second modified three-primary color picture signals for every pixel;

detecting the number of each detected combination of the second modified three-primary color picture signals in one frame;

selecting a second combination of the largest number of the detected ~~combination~~ combinations;

detecting a minimum value of the two of the second modified three-primary color picture signals of the selected second combination for every pixel;

setting the minimum value for the selected second combination and zero for



the non-selected three-primary color picture signal as a third non-three-primary color picture signal for every pixel;

subtracting the signal value of the third non-three-primary picture signal from each signal value of the second modified three-primary color picture signals for every pixel;

setting a remainder of the subtraction as a signal value of third modified three-primary color picture signals for every pixel,

detecting combinations, in which values of two of the third modified three-primary color picture ~~signal~~ signals are not zero, out of combinations of the third modified three-primary color picture signals for every pixel;

detecting the number of each detected combination of the third modified three-primary color picture signals in one frame;

selecting a third combination of the largest number of the detected ~~combination~~ combinations;

detecting a minimum value of the two of the third modified three-primary color picture signals of the selected third combination for every pixel;

setting the minimum value for the selected third combination and zero for the non-selected three-primary color picture signal as a fourth non-three-primary color picture signal for every pixel;

subtracting the signal value of the fourth non-three-primary picture signal from each signal value of the third modified three-primary color picture signals for every pixel; and

setting a remainder of the subtraction as a signal value of fourth modified three-primary color picture signals for every pixel,

wherein the picture signal displaying during each sub-field period is one of the first to fourth non-three-primary color picture signals and the fourth modified three-primary color picture signals.

Claims 23-24 (Canceled).